

## **INTRODUCTION**

The City of Burbank Building Division sponsors the Student Design Competition each year in collaboration with Burbank Water and Power and the Burbank Recycle Center to provide an opportunity for high school students in the City to creatively explore the areas of building design, site planning, transportation, community services and redevelopment. The City departments involved in sponsoring this competition are composed of professionals who have many years of experience and understanding in these areas. The contest is an ideal opportunity for students to interact with City Staff in order to gain knowledge of and exposure to building design, construction, and basic City operations.

The competition mainly addresses the fields of architecture and planning, but is not limited to only those interested in those subjects. Students with interests in art, photography, environmental issues, graphic design, urban planning, local government, and computer design are also encouraged to participate. A wide range of media may be used to solve the design problem in creative ways.

The project focuses on design of a single family dwelling in a different topographical setting each year. Working with a house design encourages creative thinking and analysis of a familiar use and building type. It requires analyzing climate, materials, site circulation, the relationship of multiple functions, the massing of building forms and building aesthetics. Participants may enter as individuals or as a team.

## **CRITICAL DATES**

October 19, 2009	Program Packets available
December 4, 2009	Deadline to submit registration form
December 2009	City Staff available for project reviews
January 2010	Site visits to schools

### **February 12, 2010**

### **PROJECT SUBMITTAL DEADLINE**

February 26, 2010	Selection of Winners
March 2010	Recognition Party - Certificates of participation and awards Presentation of awards at City Council Meeting (Dates to be determined).

## **THE PROGRAM**

### **PROJECT DESCRIPTION AND REQUIREMENTS**

You have been commissioned to design an energy efficient Single Family Dwelling which will serve as a residence for an artist or writer in a desert area such as Palm Springs. A home for an artist would have the same types of rooms as a standard house, but it would also include a room dedicated to be a studio or separate workspace.

There are **no** restrictions on the number, use, or size of the rooms in the house. Even though cities have regulations and restrictions that determine how close a building can be to the property line, how much area is allowed to be built on a site, and the maximum building height and building area in relation to the size of the lot, these restrictions will **not** apply to this project. This competition will be an exercise in creative expression of building design and site use.

**THE ONLY DESIGN REQUIREMENT IS THAT THE HOUSE DESIGN ADDRESS ENERGY EFFICIENCY BY USING THE SITE'S SOLAR ORIENTATION, MAINTAINING THE MAXIMUM USE OF THE SUN'S HEAT AND PROTECTION FROM THE COLD NORTH WINDS, AND INTEGRATING RECYCLED MATERIALS, RAINWATER COLLECTION METHODS, AND COMPOSTING.**

*Applicants may receive assistance from those outside of the school faculty such as an architect, engineer or any person in a field related to design, but their name must be included on the application form as an ADVISOR.*

The final presentation and submittal should clearly communicate how the house will be used and function based on the location of the rooms, the circulation throughout, and the relationship between indoor and outdoor spaces. This can be achieved by any or all of the following methods:

- Sketches, renderings, or perspective drawings
- Hand drafted or computer generated floor plans and exterior elevations, dimensioned to scale but not required
- Photos or magazine cut outs of building elements that would apply to the design
- Depiction of the house using paint, charcoals, pastels or as a collage of materials used in either an abstract or realistic way.
- Models or sculptures that would show the shape and massing of the house and could also be used to show room layout and relationships with walls and openings. This can be made of any material selected by the designer.

## **SUBMITTAL REQUIREMENTS**

THESE ARE ITEMS THAT REQUIRED FOR SUBMITTAL. THEY SHOULD BE **MOUNTED** ON A MATTE BOARD, CARDBOARD OR FOAM CORE BOARD FOR BACKING:

1. Site Plan: Indicate how the house is oriented on the site with a North Arrow.
2. Floor Plan(s) of each level.
3. Elevations of the building's exterior as seen from all sides.
4. A sketch, rendering, or 3-D computer drawing that gives an overall perspective view of the house.
5. Magazine clippings or samples of materials.
6. Provide a brief written statement that specifies the program and explains how you have provided for your client's interests and in your design, and how the house addresses the issues of energy efficiency. This must be attached to one of the boards.
7. OPTIONAL: A foam core or cardboard model of the house situated on its site.

## **AWARDS:**

A panel of judges from the Burbank community including architects, council members and executives of major companies will select the winners based on their interpretation of the project's:

- Design creativity
- Presentation quality
- How the project integrates recycled materials, rainwater capturing, composting and the use of energy efficient building design that addresses solar orientation, cooling/heating needs and wind/sun protection.

BWP-Recycle Center Environmental Scholarship (cash):

First Place	\$3,000.00 per team
Second Place	\$2,000.00 per team
Third Place	\$1,000.00 per team

Participants will receive Gift Cards and Certificates of Participation.

Trophies will be presented to the first, second and third place scholarship winners at a meeting of the City Council.

**This information is available for download from our website: [www.ci.burbank.ca.us/index.aspx?page=573](http://www.ci.burbank.ca.us/index.aspx?page=573)**